

## METHOD OF AND APPARATUS FOR DIRECTIONAL DRILLING

### ABSTRACT OF THE DISCLOSURE

5 A method of and system for directional drilling  
reduces the friction between the drill string and the  
well bore. A downhole drilling motor is connected to a  
drilling rig at the surface by a drill string. The  
drilling motor is oriented at a selected tool face  
angle. The drill string is rotated at the surface in a  
10 first direction until a first torque magnitude is  
reached without changing the tool face angle. The drill  
string is then rotated in the opposite direction until a  
second torque magnitude is reached, again without  
changing the tool face angle. The drill string is  
15 rotated back and forth between the first and second  
torque magnitudes. Pressure inside the drill string is  
measured, and the first and second torque magnitudes are  
adjusted in response to changes in the pressure.